GENERAL COMPLIANCE REQUIREMENTS

§ 63.9910 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements in this subpart at all times, except during periods of startup, shutdown, and malfunction as defined in § 63.2.

(b) You must develop a written startup, shutdown, and malfunction plan according to the provisions in § 63.6(e)(3).

[68 FR 58620, Oct. 10, 2003, as amended at 71 FR 20471, Apr. 20, 2006]

INITIAL COMPLIANCE REQUIREMENTS

§ 63.9911 By what date must I conduct performance tests or other initial compliance demonstrations?

(a) As required in § 63.7(a)(2), you must conduct a performance test to demonstrate initial compliance with each emission limit in Table 1 to this subpart that applies to you as indicated in paragraphs (a)(1) through (3) of this section:

(1) Within 180 calendar days after the compliance date that is specified in § 63.9883 for your existing affected source;

(2) By April 7, 2004 for a new source that has an initial startup date before October 10, 2003; or

(3) Within 180 days after initial startup for a new source that has an initial startup date after October 10, 2003.

(b) For each operation and maintenance requirement that applies to you where initial compliance is not demonstrated using a performance test, you must demonstrate initial compliance within 30 calendar days after the compliance date that is specified for your affected source in § 63.9883.

(c) If you commenced construction or reconstruction between January 22, 2003 and October 10, 2003, you must demonstrate initial compliance with either the proposed emission limitation or the promulgated emission limitation no later than April 7, 2004 or no later than 180 calendar days after startup of the source, whichever is later, according to § 63.7(a)(2)(ix).

(d) If you commenced construction or reconstruction between January 22, 2003 and October 10, 2003, and you chose to comply with the proposed emission limit when demonstrating initial compliance, you must conduct a second performance test to demonstrate compliance with the promulgated emission limit by April 11, 2005, or after startup of the source, whichever is later, according to § 63.7(a)(2)(ix).

§ 63.9912 When must I conduct subsequent performance tests?

You must conduct subsequent performance tests to demonstrate continuous compliance with all applicable emission limits in Table 1 to this subpart no less frequently than twice (at mid-term and renewal) during each term of your title V operating permit.

§ 63.9913 What test methods and other procedures must I use to demonstrate initial compliance with the emission limits for particulate matter and PM_{10}?

(a) You must conduct each performance test that applies to your affected source according to the requirements in § 63.7(e)(1).

(b) To determine compliance with the applicable emission limits for particulate matter in Table 1 to this subpart, you must follow the test methods and procedures in paragraphs (b)(1) and (2) of this section.

(1) Determine the concentration of particulate matter according to the following test methods in appendix A to 40 CFR part 60:

(i) Method 1 to select sampling port locations and the number of traverse points. Sampling ports must be located at the outlet of the control device and prior to any releases to the atmosphere.

(ii) Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.

(iv) Method 4 to determine the moisture content of the stack gas.

(v) Method 5 or 5D, as applicable, to determine the concentration of particulate matter.

(vi) Method 201 or 201A, as applicable, to determine the concentration of PM_{10}.

(2) Collect a minimum sample volume of 60 dry standard cubic feet (dscf) during each particulate matter or PM_{10} test run. Three valid test runs are needed to comprise a performance test.

(c) Compute the mass emissions rate in pounds per hour (lbs/hr) for each test run using Equation 1 of this section:

$$E_{lbs/hr} = \frac{C_s \times Q_{std} \times 60}{7{,}000} \qquad \text{(Eq. 1)}$$

Where:

$E_{lbs/hr}$ = Mass emissions rate of particulate matter or PM_{10} (lbs/hr);

C_s = Concentration of particulate matter or PM_{10} in the gas stream, grains per dry standard cubic feet (gr/dscf);

Q_{std} = Volumetric flow rate of stack gas, dry standard cubic feet per minute (dscfm);

60 = Conversion factor, minutes per hour (min/hr); and

7,000 = Conversion factor, grains per pound (gr/lb).

§ 63.9914 What test methods and other procedures must I use to demonstrate initial compliance with chlorine and hydrochloric acid emission limits?

(a) You must conduct each performance test that applies to your affected source according to the requirements in § 63.7(e)(1).

(b) To determine compliance with the applicable emission limits for chlorine and hydrochloric acid in Table 1 to this subpart, you must follow the test methods and procedures specified in paragraphs (b)(1) and (2) of this section.

(1) Determine the concentration of chlorine and hydrochloric acid according to the following test methods in appendix A to 40 CFR part 60:

(i) Method 1 to select sampling port locations and the number of traverse points. Sampling ports must be located at the outlet of the control device and prior to any releases to the atmosphere.

(ii) Method 2, 2F, or 2G to determine the volumetric flow of the stack gas.

(iii) Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.

(iv) Method 4 to determine the moisture content of the stack gas.

(v) Method 26 or 26A, as applicable, to determine the concentration of hydrochloric acid and chlorine.

(2) Collect a minimum sample of 60 dscf during each test run for chlorine and hydrochloric acid. Three valid test runs are needed to comprise a performance test.

(c) Compute the mass emissions rate (lbs/hr) for each test run using Equation 1 of this section:

$$E_{lbs/hr} = \frac{C_s \times Q_{std} \times 60}{35.31 \times 454{,}000} \qquad \text{(Eq. 1)}$$

Where:

$E_{lbs/hr}$ = Mass emissions rate of chlorine or hydrochloric acid (lbs/hr);

C_s = Concentration of chlorine or hydrochloric acid in the gas stream, milligrams per dry standard cubic meter (mg/dscm);

Q_{std} = Volumetric flow rate of stack gas (dscfm);

60 = Conversion factor (min/hr);

35.31 = Conversion factor (dscf/dscm); and

454,000 = Conversion factor (mg/lb).

§ 63.9915 What test methods and other procedures must I use to demonstrate initial compliance with dioxin/furan emission limits?

(a) You must conduct each performance test that applies to your affected source according to the requirements in § 63.7(e)(1).

(b) To determine compliance with the applicable emission limit for dioxins/furans in Table 1 to this subpart, you must follow the test methods and procedures specified in paragraphs (b)(1) and (2) of this section.

(1) Determine the concentration of dioxin and furan according to the following test methods in appendix A to 40 CFR part 60:

(i) Method 1 to select sampling port locations and the number of traverse points. Sampling ports must be located at the outlet of the control device and prior to any releases to the atmosphere.

(ii) Method 2, 2F, or 2G to determine the volumetric flow of the stack gas.

(iii) Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.

(iv) Method 4 to determine the moisture content of the stack gas.

(v) Method 23 to determine the concentration of dioxins/furans. For each