

**Pt. 63, Subpt. DDDDD, Table 4**

**40 CFR Ch. I (7–1–10 Edition)**

As stated in § 63.7500, you must comply with the applicable operating limits:

If you demonstrate compliance with applicable mercury and/or total selected metals emission limits using . . .	You must meet these operating limits . . .
3. Electrostatic precipitator control .....	a. This option is for boilers and process heaters that operate dry control systems. Existing sources must maintain opacity to less than or equal to 20 percent (6-minute average) except for one 6-minute period per hour of not more than 27 percent. New sources must maintain opacity to less than or equal to 10 percent opacity (1-hour block average); or b. This option is only for boilers and process heaters that operate additional wet control systems. Maintain the minimum voltage and secondary current or total power input of the electrostatic precipitator at or above the operating limits established during the performance test according to § 63.7530(c) and Table 7 to this subpart that demonstrated compliance with the applicable emission limits for mercury and/or total selected metals.
4. Dry scrubber or carbon injection control .....	Maintain the minimum sorbent or carbon injection rate at or above the operating levels established during the performance test according to § 63.7530(c) and Table 7 to this subpart that demonstrated compliance with the applicable emission limit for mercury.
5. Any other control type .....	This option is only for boilers and process heaters that operate dry control systems. Existing sources must maintain opacity to less than or equal to 20 percent (6-minute average) except for one 6-minute period per hour of not more than 27 percent. New sources must maintain opacity to less than or equal to 10 percent opacity (1-hour block average).
6. Fuel analysis .....	Maintain the fuel type or fuel mixture such that the mercury and/or total selected metals emission rates calculated according to § 63.7530(d)(4) and/or (5) is less than the applicable emission limits for mercury and/or total selected metals.

**TABLE 4 TO SUBPART DDDDD OF PART 63—OPERATING LIMITS FOR BOILERS AND PROCESS HEATERS WITH HYDROGEN CHLORIDE EMISSION LIMITS**

As stated in § 63.7500, you must comply with the following applicable operating limits:

If you demonstrate compliance with applicable hydrogen chloride emission limits using . . .	You must meet these operating limits . . .
1. Wet scrubber control .....	Maintain the minimum scrubber effluent pH, pressure drop, and liquid flow-rate at or above the operating levels established during the performance test according to § 63.7530(c) and Table 7 to this subpart that demonstrated compliance with the applicable emission limit for hydrogen chloride.
2. Dry scrubber control .....	Maintain the minimum sorbent injection rate at or above the operating levels established during the performance test according to § 63.7530(c) and Table 7 to this subpart that demonstrated compliance with the applicable emission limit for hydrogen chloride.
3. Fuel analysis .....	Maintain the fuel type or fuel mixture such that the hydrogen chloride emission rate calculated according to § 63.7530(d)(3) is less than the applicable emission limit for hydrogen chloride.

**TABLE 5 TO SUBPART DDDDD OF PART 63—PERFORMANCE TESTING REQUIREMENTS**

As stated in § 63.7520, you must comply with the following requirements for performance test for existing, new or reconstructed affected sources:

To conduct a performance test for the following pollutant . . .	You must . . .	Using . . .
1. Particulate Matter .....	a. Select sampling ports location and the number of traverse points. b. Determine velocity and volumetric flow-rate of the stack gas. c. Determine oxygen and carbon dioxide concentrations of the stack gas. d. Measure the moisture content of the stack gas.	Method 1 in appendix A to part 60 of this chapter. Method 2, 2F, or 2G in appendix A to part 60 of this chapter. Method 3A or 3B in appendix A to part 60 of this chapter, or ASME PTC 19, Part 10 (1981) (IBR, see § 63.14(i)). Method 4 in appendix A to part 60 of this chapter.

**Environmental Protection Agency**

**Pt. 63, Subpt. DDDDD, Table 5**

As stated in § 63.7520, you must comply with the following requirements for performance test for existing, new or reconstructed affected sources:

To conduct a performance test for the following pollutant . . .	You must . . .	Using . . .
	<ul style="list-style-type: none"> <li>e. Measure the particulate matter emission concentration.</li> <li>f. Convert emissions concentration to lb per MMBtu emission rates.</li> </ul>	<p>Method 5 or 17 (positive pressure fabric filters must use Method 5D) in appendix A to part 60 of this chapter.</p> <p>Method 19 F-factor methodology in appendix A to part 60 of this chapter.</p>
2. Total selected metals .....	<ul style="list-style-type: none"> <li>a. Select sampling ports location and the number of traverse points.</li> <li>b. Determine velocity and volumetric flow-rate of the stack gas.</li> <li>c. Determine oxygen and carbon dioxide concentrations of the stack gas.</li> <li>d. Measure the moisture content of the stack gas.</li> <li>e. Measure the total selected metals emission concentration.</li> <li>f. Convert emissions concentration to lb per MMBtu emission rates.</li> </ul>	<p>Method 1 in appendix A to part 60 of this chapter.</p> <p>Method 2, 2F, or 2G in appendix A to part 60 of this chapter.</p> <p>Method 3A or 3B in appendix A to part 60 of this chapter, or ASME PTC 19, Part 10 (1981) (IBR, see § 63.14(i)).</p> <p>Method 4 in appendix A to part 60 of this chapter.</p> <p>Method 29 in appendix A to part 60 of this chapter.</p>
3. Hydrogen chloride .....	<ul style="list-style-type: none"> <li>a. Select sampling ports location and the number of traverse points.</li> <li>b. Determine velocity and volumetric flow-rate of the stack gas.</li> <li>c. Determine oxygen and carbon dioxide concentrations of the stack gas.</li> <li>d. Measure the moisture content of the stack gas.</li> <li>e. Measure the hydrogen chloride emission concentration.</li> <li>f. Convert emissions concentration to lb per MMBtu emission rates.</li> </ul>	<p>Method 1 in appendix A to part 60 of this chapter.</p> <p>Method 2, 2F, or 2G in appendix A to part 60 of this chapter.</p> <p>Method 3A or 3B in appendix A to part 60 of this chapter, or ASME PTC 19, Part 10 (1981) (IBR, see § 63.14(i)).</p> <p>Method 4 in appendix A to part 60 of this chapter.</p> <p>Method 26 or 26A in appendix A to part 60 of this chapter.</p>
4. Mercury .....	<ul style="list-style-type: none"> <li>a. Select sampling ports location and the number of traverse points.</li> <li>b. Determine velocity and volumetric flow-rate of the stack gas.</li> <li>c. Determine oxygen and carbon dioxide concentrations of the stack gas.</li> <li>d. Measure the moisture content of the stack gas.</li> <li>e. Measure the mercury emission concentration.</li> <li>f. Convert emissions concentration to lb per MMBtu emission rates.</li> </ul>	<p>Method 1 in appendix A to part 60 of this chapter.</p> <p>Method 2, 2F, or 2G in appendix A to part 60 of this chapter.</p> <p>Method 3A or 3B in appendix A to part 60 of this chapter, or ASME PTC 19, Part 10 (1981) (IBR, see § 62.14(i)).</p> <p>Method 4 in appendix A to part 60 of this chapter.</p> <p>Method 29 in appendix A to part 60 of this chapter or Method 101A in appendix B to part 61 of this chapter or ASTM Method D6784-02 (IBR, see § 63.14(b)).</p>
5. Carbon Monoxide .....	<ul style="list-style-type: none"> <li>a. Select the sampling ports location and the number of traverse points.</li> <li>b. Determine oxygen and carbon dioxide concentrations of the stack gas.</li> <li>c. Measure the moisture content of the stack gas.</li> <li>d. Measure the carbon monoxide emission concentration.</li> </ul>	<p>Method 19 F-factor methodology in appendix A to part 60 of this chapter.</p> <p>Method 1 in appendix A to part 60 of this chapter.</p> <p>Method 3A or 3B in appendix A to part 60 of this chapter, or ASTM D6522-00 (IBR, see § 63.14(b)), or ASME PTC 19, Part 10 (1981) (IBR, see § 63.14(i)).</p> <p>Method 4 in appendix A to part 60 of this chapter.</p> <p>Method 10, 10A, or 10B in appendix A to part 60 of this chapter, or ASTM D6522-00 (IBR, see § 63.14(b)) when the fuel is natural gas.</p>