

TABLE 4.C TO SUBPART DDDDD OF PART 63—REQUIREMENTS FOR PERFORMANCE TESTS FOR HYDROGEN CHLORIDE EMISSIONS FROM BOILERS OR PROCESS HEATERS IN LARGE, LIMITED USED, OR SMALL SOLID FUEL SUBCATEGORIES

For . . .	That is controlled with . . .	You must . . .	Using . . .	According to the following requirements . . .
1. Each new or reconstructed industrial, commercial, or institutional boiler or process heater in the large solid fuel subcategory, limited use solid fuel subcategory, or small solid fuel subcategory and each existing industrial, commercial, or institutional boiler or process heater in the large solid fuel subcategory.	<p>a. Any type of device</p> <p>b. Either no add-on controls or an add-on control other than a wet scrubber.</p> <p>c. A wet scrubber</p> <p>d. Any type of device</p>	<p>i. Select sampling ports location and the number of traverse points.</p> <p>ii. Determine velocity and volumetric flow-rate of the stack gas.</p> <p>iii. Determine oxygen and carbon dioxide concentrations of the stack gas.</p> <p>iv. Measure moisture content of the stack gas.</p> <p>Measure the hydrogen chloride emissions concentrations.</p> <p>Measure the hydrogen chloride emissions concentrations.</p> <p>Convert emissions concentrations to lb per MMBtu emission rates.</p>	<p>Method 1 of 40 CFR part 60 appendix A.</p> <p>Either Method 2 in appendix A to part 60 of this chapter, Method 2F in appendix A to part 60 of this chapter or Method 2G of appendix A to part 60 of this chapter.</p> <p>Method 3A or 3B in appendix A to part 60 of this chapter.</p> <p>Method 4 in appendix A to part 60 of this chapter.</p> <p>Method 26 in appendix A to part 60 of this chapter.</p> <p>Method 26A in appendix A to part 60 of this chapter.</p> <p>The F-factor methodology in Method 19 in appendix A to part 60 of this chapter.</p>	
2. Each new or reconstructed industrial, commercial, or institutional boiler or process heater in the large solid fuel subcategory, the limited use solid fuel subcategory, or the small solid fuel subcategory.	<p>a. Either no add-on controls or an add-on control other than a wet scrubber or a dry scrubber.</p> <p>b. A wet scrubber</p> <p>c. A dry scrubber</p>	<p>i. Establish a site-specific maximum inlet fuel chlorine content operating limit according to the provisions in § 63.7530(c).</p> <p>i. Establish site-specific minimum pH, pressure drop, and liquid flow-rate operating limits for the wet scrubber according to the provisions in § 63.7530(c)(3).</p> <p>i. Establish site-specific minimum sorbent injection rate operating limit for the dry scrubber according to the provisions in § 63.7530(c).</p>	<p>(1) The fuel chlorine content analysis results and data from the hydrogen chloride performance test.</p> <p>(1) Data from the pH, pressure drop, and liquid flow-rate monitors and the hydrogen chloride performance test.</p> <p>(1) Data from the sorbent injection rate monitors and the hydrogen chloride performance test.</p>	<p>(a) You must collect one sample of the fuel stream entering the boiler or process heater for each test run during the three-run hydrogen chloride performance test; and</p> <p>(b) Determine the chlorine content and heating value of each fuel sample; and</p> <p>(c) Determine the maximum chlorine content operating limit according to the procedures in § 63.7530(c) and the procedures in your site-specific test plan as required in § 63.7520(a).</p> <p>(a) You must collect pH, pressure drop, and liquid flow-rate data every 15 minutes during the entire period of the three-run hydrogen chloride performance test; and</p> <p>(b) Determine the average pH, pressure drop, and liquid flow-rate for each individual test run in the three-run performance test by computing the average of all the 15-minute readings taken during the test run.</p> <p>(a) You must collect sorbent injection rate data every 15 minutes during the entire period of the three-run hydrogen chloride performance test; and</p> <p>(b) Determine the average sorbent injection rate of each individual test run in the three-run performance test by computing the average of all the 15-minute readings taken during the test run.</p>