

Environmental Protection Agency

Pt. 63, Subpt. DDDDD, Table 7

TABLE 6 TO SUBPART DDDDD OF PART 63—FUEL ANALYSIS REQUIREMENTS

As stated in §63.7521, you must comply with the following requirements for fuel analysis testing for existing, new or reconstructed affected sources. However, equivalent methods may be used in lieu of the prescribed methods at the discretion of the source owner or operator:

To conduct a fuel analysis for the following pollutant * * *	You must * * *	Using * * *
1. Mercury * * *	a. Collect fuel samples * * * .. b. Composite fuel samples * * * .. c. Prepare composited fuel samples * * * .. d. Determine heat content of the fuel type * * * .. e. Determine moisture content of the fuel type * * * .. f. Measure mercury concentration in fuel sample * * * .. g. Convert concentration into units of pounds of pollutant per MMBtu of heat content.	Procedure in §63.7521(c) or ASTM D2234–D2234M–03 (for coal) (IBR, see §63.14(b)) or ASTM D6323–98 (2003) (for biomass) (IBR, See §63.14(b)) or equivalent. Procedure in §63.7521(d) or equivalent. SW–846–3050B (for solid samples) or SW–846–3020A (for liquid samples) or ASTM D2013–04 (for coal) (IBR, see §63.14(b)) or ASTM D5198–92 (2003) (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D5865–04 (for coal) (IBR, see §63.24(b)) or ASTM E711–87 (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D3173–03 (IBR, see §63.14(b)) or ASTM E871–82 (1998) (IBR, see §63.14(b)) or equivalent. ASTM D6722–01 (for coal) (IBR, see §63.14(b)) or SW–846–7471A (for solid samples) or SW–846–7470A (for liquid samples) or equivalent.
2. Total Selected metals * * *	a. Collect fuel samples * * * .. b. Composite fuel samples * * * .. c. Prepare composited fuel samples * * * .. d. Determine heat content of the fuel type * * * .. e. Determine moisture content of the fuel type * * * .. f. Measure total selected metals concentration in fuel sample * * * .. g. Convert concentrations into units of pounds of pollutant per MMBtu of heat content.	Procedure in §63.7521(c) or ASTM D2234–D2234M–03 (for coal) (IBR, see §63.14(b)) or ASTM D6323–98 (2003) (for biomass) (IBR, see §63.14(b)) or equivalent. Procedure in §63.7521(d) or equivalent. SW–846–3050B (for solid samples) or SW–846–3020A (for liquid samples) or ASTM D2013–04 (for coal) (IBR, see §63.14(b)) or ASTM D5198–92 (2003) (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D5865–04 (for coal) (IBR, see §63.14(b)) or ASTM E711–87 (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D3173–03 (IBR, see §63.14(b)) or ASTM E871–82 (IBR, see §63.14(b)) or equivalent. SW–846–6010B or ASTM D6357–04 (for arsenic, beryllium, cadmium, chromium, lead, manganese, and nickel for all solid fuels) and ASTM D4606–03 (for selenium in coal) (IBR, see §63.14(b)) or ASTM E885–88 (1996) for biomass) (IBR, see §63.14(b)) or equivalent.
3. Hydrogen Chloride * * *	a. Collect fuel samples * * * .. b. Composite fuel samples * * * .. c. Prepare composited fuel samples * * * .. d. Determine heat content of the fuel type * * * .. e. Determine moisture content of the fuel type * * * .. f. Measure chlorine concentration in fuel sample * * * .. g. Convert concentrations into units of pounds of pollutant per MMBtu of heat content..	Procedure in §63.7521(c) or ASTM D2234–D2234M–03 (for coal) (IBR, see §63.14(b)) or ASTM D6323–98 (2003) (for biomass) (IBR, see §63.14(b)) or equivalent. Procedure in §63.7521(d) or equivalent. SW–846–3050B (for solid samples) or SW–846–3020A (for liquid samples) or ASTM D2013–04 (for coal) (IBR, see §63.14(b)) or ASTM D5198–92 (2003) (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D5865–04 (for coal) (IBR, see §63.14(b)) or ASTM E711–87 (1996) (for biomass) (IBR, see §63.14(b)) or equivalent. ASTM D3173–03 (IBR, see §63.14(b)) or ASTM E871–82 (1998) or equivalent. SW–846–9250 or ASTM D6721–01 (for coal) or ASTM E776–87 (1996) (for biomass) (IBR, see §63.14(b)) or equivalent.

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TABLE 7 TO SUBPART DDDDD OF PART 63—ESTABLISHING OPERATING LIMITS
As stated in § 63.7520, you must comply with the following requirements for establishing operating limits:

If you have an applicable emission limit for	And your operating limits are based on	You must	Using	According to the following requirements
1. Particulate matter, mercury, or total selected metals.	a. Wet scrubber operating parameters. b. Electrostatic precipitator operating parameters (option only for units with additional wet scrubber control).	i. Establish a site-specific minimum pressure drop and minimum flow rate operating limit according to § 63.7530(c). i. Establish a site-specific minimum voltage and secondary current or total power input according to § 63.7530(c).	(1) Data from the pressure drop and liquid flow rate monitors and the particulate matter, mercury, or total selected metals performance test. (1) Data from the pressure drop and liquid flow rate monitors and the particulate matter, mercury, or total selected metals performance test.	(a) You must collect pressure drop and liquid flow-rate data every 15 minutes during the entire period of the performance tests; (b) Determine the average 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 each test run. (a) You must collect voltage and secondary current or total power input data every 15 minutes during the entire period of the performance tests; (b) Determine the average voltage and secondary current or total power input for each individual test run in the three-run performance test by computing the average of all the 15-minute readings taken during each test run.
2. Hydrogen Chloride	a. Wet scrubber operating parameters.	i. Establish a site-specific minimum pressure drop and minimum flow rate operating limit according to § 63.7530(c).	(1) Data from the pH, pressure drop, and liquid flow-rate monitors and the hydrogen chloride performance test.	(a) You must collect pH, pressure drop, and liquid flow-rate data every 15 minutes during the entire period of the performance tests; (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 each test run.
	b. Dry scrubber operating parameters.	i. Establish a site-specific minimum sorbent injection rate operating limit according to § 63.7530(c).	(1) Data from the sorbent injection rate monitors and hydrogen chloride performance test.	(a) You must collect sorbent injection rate data every 15 minutes during the entire period of the performance tests; (b) Determine the average sorbent injection rate for each individual test run in the three-run performance test by computing the average of all the 15-minute readings taken during each test run.