

watertube boilers and process heaters with heat input capacities greater than 10 million British thermal units per hour (MMBtu/hr). Small units are any firetube boilers or any boiler and process heater with heat input capacities less than or equal to 10 MMBtu/hr. Limited use units are those large units with capacity utilizations

less than or equal to 10 percent as required in a federally enforceable permit.

If your new or existing boiler or process heater is permitted to burn a solid fuel (either as a primary fuel or a backup fuel), or any combination of solid fuel with liquid or gaseous fuel, the unit is in one of the solid

subcategories. If your new or existing boiler or process heater burns a liquid fuel, or a liquid fuel in combination with a gaseous fuel, the unit is in one of the liquid subcategories. If your new or existing boiler or process heater burns a gaseous fuel only, the unit is in the gas subcategory.

TABLE 1.—EMISSION LIMITS AND WORK PRACTICE STANDARDS FOR BOILERS AND PROCESS HEATERS
[Pounds per million British thermal units]

Source	Subcategory	Particulate matter (PM)	or	Total selected metals	Hydrogen chloride (HCl)	Mercury (Hg)	Carbon Monoxide (CO)(ppm@3%oxygen)
New Boiler, or Process Heater.	Solid Fuel, Large Unit	0.026	or	0.0001	0.02	0.000003	400
	Solid Fuel, Small Unit	0.026	or	0.0001	0.02	0.000003	.....
	Solid Fuel, Limited Use.	0.026	or	0.0001	0.02	0.000003	400
	Liquid Fuel, Large Unit.	0.03	.....	.....	0.0005	.....	400
	Liquid Fuel, Small Unit	0.03	.....	0.0009	.....	.....	.....
	Liquid Fuel, Limited Use.	0.03	.....	.....	0.0009	.....	400
	Gaseous Fuel Large Unit.	.....	.....	.....	.....	.....	400
	Gaseous Fuel Small Unit.	.....	.....	.....	.....	.....	.....
Existing Boiler or Process Heater.	Gaseous Fuel Limited Use.	.....	.....	.....	.....	.....	400
	Solid Fuel, Large Unit	0.07	or	0.001	0.09	0.000007	.....
	Solid Fuel, Small Unit	.....	.....	.....	.....	.....	.....
	Solid Fuel, Limited Used.	0.2	or	0.001	.....	.....	.....
	Liquid Fuel, Large Unit.	.....	.....	.....	.....	.....	.....
	Liquid Fuel, Small Unit	.....	.....	.....	.....	.....	.....
	Liquid Fuel, Limited Use.	.....	.....	.....	.....	.....	.....
	Gaseous Fuel .....	.....	.....	.....	.....	.....	.....

For solid fuel-fired boilers or process heaters, we are proposing to allow sources to choose one of two emission limit options: (1) Existing and new affected sources may choose to limit PM emissions to the level listed in Table 1 of this preamble or (2) existing and new affected sources may choose to limit total selected metals emissions to the level listed in Table 1 of this preamble.

If you do not use an add-on control or use an add-on control other than a wet scrubber, you must maintain opacity level to less than or equal to the level established during the compliance test for mercury and PM or total selected metals, and maintain the fuel chlorine content to less than or equal to the operating level established during the HCl compliance test.

If you use a wet scrubber, you must maintain the minimum pH, pressure drop and liquid flow-rate above the operating levels established during the performance tests.

If you use a dry scrubber, you must maintain opacity level and the minimum sorbent injection rate established during the performance test.

If you use an electrostatic precipitator (ESP) in combination with a wet scrubber and cannot monitor the opacity, you must maintain the average secondary current and voltage or total power input established during the performance test.

There is an alternative compliance procedure and operating limit for meeting the total selected metals emission limit option or the mercury emission limit option. If you have no control or do not want to take credit of metals reductions with your existing control device, and can show that total metals in the fuel would be less than the metals emission level, then you can monitor the metals fuel analysis to meet the metals emissions limitations. Similarly, if you do not have an emission control device or you otherwise would rather comply by

limiting the mercury input at your facility, and can show that mercury in the fuel would be less than the mercury emission level, then you can monitor the mercury fuel analysis to meet the mercury emission limitations.

If your unit is a new source in the large or limited use subcategories, it must meet a carbon monoxide (CO) emission limit of 400 parts per million corrected to 3 percent oxygen. If your new or existing source is controlled with a fabric filter, then you must install a bag leak detection system such that the bag detection system alarm does not sound more than 5 percent of the operating time during a 6-month period.

F. What Are the Testing and Initial Compliance Requirements?

As the owner or operator of a new or existing boiler or process heater, you must conduct performance tests to demonstrate compliance with any applicable emission limits. The applicable emission limits and,