

Existing Source Compliance September 13, 2007

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March 12, 2005: Submit initial notification.

September 13, 2006: For sources demonstrating low risk for hydrogen chloride or manganese, submit eligibility demonstration.

For sources demonstrating compliance through fuel analysis, submit site-specific fuel analysis plan at least 60 days before demonstrating compliance.

September 13, 2007: Must be in compliance with all requirements of the Boilers NESHAP.

Submit Quality Assurance plan and test plan and notify EPA of performance test at least 30 days before performance test.

March 11, 2008 (latest date): Conduct initial performance test and opacity test no later than March 11, 2008 (advance notice required).

May 11, 2008 (latest date): Notify EPA of your compliance status within 60 days of completing the performance test or initial compliance demonstration.

July 31, 2008: Submit first semiannual compliance report.

For More Information

The Boilers NESHAP was published in the *Federal Register* on September 13, 2004. Copies of the rule and other materials are available at www.epa.gov/ttn/atw/boiler/boilerpg.html

Contact your regional EPA office.

REGION	STATES	PHONE
1	EPA New England (CT, MA, ME, NH, RI, VT)	617-918-1650
2	EPA Region 2 (NJ, NY, PR)	212-637-4080
3	EPA Region 3 (DE, MD, PA, VA, WV District of Columbia)	215-814-3483
4	EPA Region 4 (FL, NC, SC, KY, TN, GA, AL, MS)	404-562-9105
5	EPA Region 5 (IL, IN, MI, WI, MN, OH)	312-353-2211
6	EPA Region 6 (AR, LA, NM, OK, TX)	214-665-7224
7	EPA Region 7 (IA, KS, MO, NE)	913-551-7020
8	EPA Region 8 (CO, MT, ND, SD, UT, WY)	303-312-6007
9	EPA Region 9 (CA, AZ, HI, NV)	415-744-1219
10	EPA Region 10 (AK, ID, WA, OR)	206-553-4273

Or contact your state or local air pollution control agency for more information:



September 2004
www.epa.gov/ttn/atw/boiler/boilerpg.html
EPA-456/F-04-001

Office of Air Quality Planning & Standards

National Emission Standards for Hazardous Air Pollutants (NESHAP): Industrial, Commercial, and Institutional Boilers and Process Heaters

September 13, 2004, 69 FR 55218



NPRA



Partners in Improving Your Profitability

Read the Boilers NESHAP carefully.

The following information helps you determine how your boiler or process heater may be affected by the Boilers NESHAP. However, the Boilers NESHAP is complex and affects units differently based on rated heat input, fuel type, and utilization. Find the Boilers NESHAP and compliance information at www.epa.gov/ttn/atw/boiler/boilerpg.html.

Which units are affected?

Affected:

Boilers or process heaters located at a major source of hazardous air pollutants (HAP).

Major source: Potential to emit 10 tons/year of one HAP or 25 tons/year of all HAP combined. Emissions from the entire facility, including non-boiler or process heater sources, count toward major source status.

Hazardous air pollutants: Boilers and process heaters emit HAP such as arsenic, cadmium, chromium, hydrogen chloride, hydrogen fluoride, lead, manganese, mercury, and nickel. Emissions from each boiler or process heater vary. HAP are listed at www.epa.gov/ttn/atw/188polls.html.

Not Affected:

- Solid waste incineration units covered under section 129 of the Clean Air Act
- Units covered by another NESHAP under 40 CFR part 63 (including hazardous waste units, chemical recovery boilers at pulp mills, secondary lead refining kettles, ethylene cracking furnaces, blast furnace gas fuel-fired units)
- Hot water heaters, blast furnace stoves, temporary boilers
- Direct-fired (contact) combustion units (e.g., direct contact dryers) where the combustion gases come into contact with the process materials
- Research and development units

Affected units with no requirements or only initial notification:

- **No requirements:** Existing small units (all fuel types) and new small units (gas fuel) have no emission limits and no requirements: No monitoring, no records, no notifications.
- **Initial notification:** Existing large units (gas and liquid fuel), new small units (distillate oil only or combined with gas fuel) have no emission limits and submit only an initial notification. No other requirements.

Emission limits apply to these boilers or process heaters:

FUEL TYPE	EXISTING UNITS	NEW UNITS
Solid	PM or TSM HCl Hg	PM or TSM HCl Hg CO
Liquid	None	PM HCl CO
Gas	None	CO

Solid: Burns any amount of solid fuel
Liquid: Burns liquid fuel alone or with gas
Gas: Burns only gaseous fuel

Regulated Pollutants

- Particulate matter (PM) or total selected metals (TSM) as surrogate for metallic HAP. TSM: Arsenic, beryllium, cadmium, chromium, lead, manganese, nickel, selenium
- Hydrogen chloride (HCl) as surrogate for inorganic HAP
- Mercury (Hg)
- Carbon monoxide (CO) as surrogate for organic HAP

NEW UNITS: Commenced construction or reconstruction on or after January 13, 2003

EXISTING UNITS: Commenced construction before January 13, 2003

SMALL UNITS: Any firetube boiler (regardless of size) and any other boiler or process heater ≤ 10 MMBtu/hr

LARGE UNITS: Any watertube boiler or process heater > 10 MMBtu/hr

Compliance Alternatives

Units can meet emission limits through a combination of the following:

- Conduct performance testing for units that have new or existing control devices
 - Use emissions averaging (certain units)
 - For HCl (measured as HCl and chlorine) and manganese, demonstrate low public risk
- For HCl, TSM, Hg, limit HAP content of fuel, demonstrate compliance through fuel analysis