



National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources

MODULE: 40 CFR Part 63 Subpart JJJJJ New Small Boilers



Initial Notification to Delegated Authority

Initial Notification: Due on 1/20/14 or within 120 days of source startup

- Owner/operator name and address
- Physical location of boiler(s)
- Relevant standard
- Anticipated compliance date
- Source size, design, and method of operation
- Types of emission points within the source subject to the standard and types of HAP emitted
- Statement that source is an area source

Example Initial Notification Report
National Emission Standards for Hazardous Air Pollutants for
Industrial, Commercial, and Institutional Boilers Area Sources

SECTION I: GENERAL INFORMATION

Operating Permit Number (IF AVAILABLE)* _____ Facility ID Number (IF AVAILABLE)* _____

Responsible Official's Name _____ Title _____

Street Address _____

City _____ State _____ ZIP Code _____

* (e.g., Title V permit number)
* (e.g., Air Facility System (AFS) facility ID)

Facility Name _____

Facility Street Address (if different than Responsible Official's Street Address listed above) _____

Street Address _____

City _____ State _____ ZIP Code _____

Facility Local Contact Name _____ Title _____

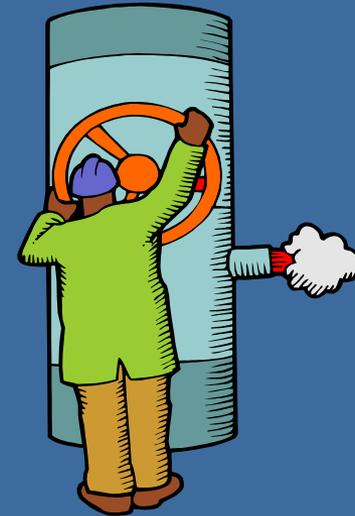
Anticipated Compliance Date(s) (mm/dd/yyyy) (§63.9(b)(2)(iii))* _____
* See instructions on pg. 3 of this form to determine the compliance dates applicable to you.

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Work Practice Requirements

- No numeric emission limits for oil or biomass boilers
- Tune ups every other year
 - First tune-up no later than 25 months from initial startup
 - Subsequent tune-ups conducted no more than 25 months after previous tune-up



Work Practice Requirements (continued)

Tune up every 5 years if:

- Oil-fired boiler ≤ 5 MMBtu/hr;
- Unit qualifies as a seasonal or limited-use boiler;
- Boiler equipped with oxygen trim system



First tune-up no later than 61 months from initial startup

Subsequent tune-ups conducted no more than 61 months after previous tune-up



Tune-Up

- You must:
 - Inspect the burner, clean/replace components as needed
 - Inspect flame pattern, adjust burner as needed
 - Inspect the system controlling the air-to-fuel ratio
 - Optimize emissions of CO
 - Measure effluent stream CO and O₂, before and after tune-up
- If the unit is not operating on the required tune-up date, conduct within 30 days of startup.
- Tune-up must be conducted while burning the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.



Tune-up Documentation

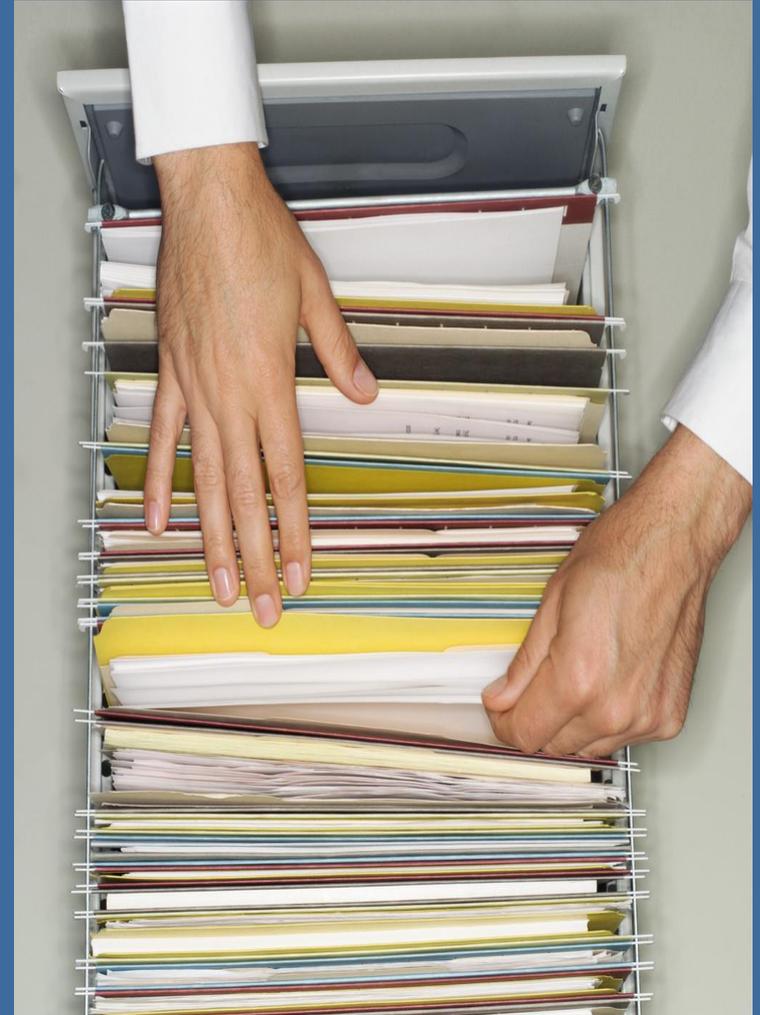
Maintain a report of the tune up onsite. The report must include the following:

- CO and O₂ in the effluent stream, before and after tune-up
- Description of any corrective actions taken as part of the tune-up
- Type and amount of fuel used over the 12-months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period



What other records are required?

- ▶ Notifications and reports, with supporting documentation
- ▶ Compliance with tune-ups:
 - ▶ Identify each boiler, tune-up date, procedures followed, and tuning specifications
- ▶ Malfunctions (occurrence and duration)
- ▶ Actions taken during malfunction to minimize emissions
- ▶ Records for seasonal or limited-use boiler verifying qualification



Records Retention

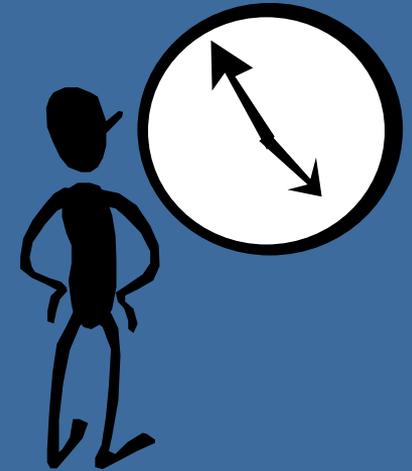


- ▶ Records must be readily available for review
- ▶ Keep records for 5 years
 - ▶ First 2 years: records on-site or instantly accessible by computer from central location
 - ▶ Years 3 to 5: Can be kept off-site



Notifications and Reports

- ▶ **Initial notification:** due **January 20, 2014** or **120 days** after the source becomes subject, whichever is later.
- ▶ **Compliance Certification Report:** prepare by **March 1** of the year after the calendar year during which a tune-up is completed (submit only if requested)
- ▶ **Notification of Intent** to commence combustion of solid waste: due 30 days prior to commencement
- ▶ **Notification of Change:** due within 30 days of the change
 - ▶ Fuel switch
 - ▶ Physical change to boiler
 - ▶ Permit limits



Compliance Certification Report

For new boilers that are required only to conduct a biennial or 5-year tune-up and are not subject to emission or operating limits, you may prepare only a biennial or 5-year Compliance Certification Report. Reports should be prepared by March 1 of the year after the calendar year during which a tune-up is completed.

Report must include:

- Company name and address
- A statement signed by a responsible official certifying accuracy and completeness of the certification and a statement that the source has complied with all of the relevant requirements of the rule

You do ***not*** need to submit this report, but it can be requested by your delegated authority



Notifications

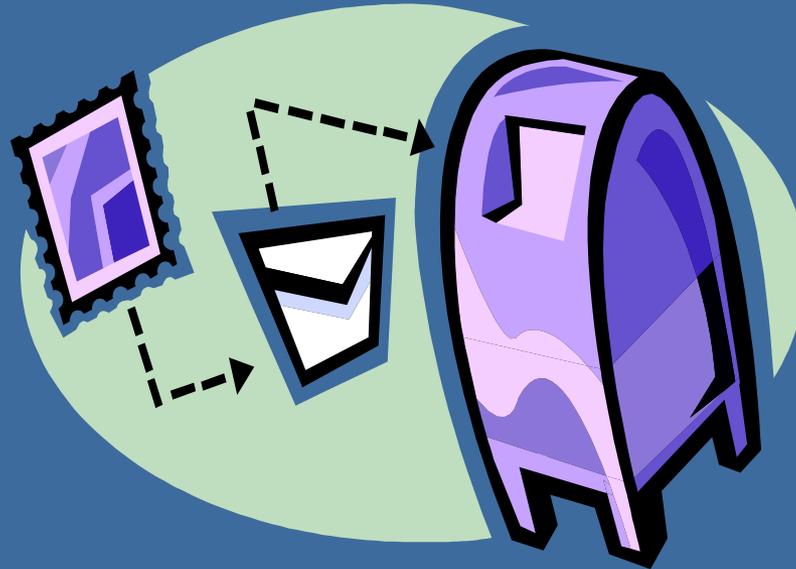
If you intend to commence or recommence combustion of solid waste, you must provide 30 days prior notice of the date upon which you will commence or recommence combustion of solid waste.

If you have switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or you have taken a permit limit that resulted in you being subject to subpart JJJJJJ, you must provide notice of the date upon which you switched fuels, made the physical change, or took a permit limit within 30 days of the change.



Where do I send notifications and reports?

U.S. Environmental Protection Agency
5 Post Office Square, Suite 100, Mail code: OES04-2
Boston, MA 02109-3912
Attention: Air Clerk



Visit the Boiler Compliance Page

www.epa.gov/boilercompliance

- ▶ Brochures
- ▶ Fact sheets
- ▶ Regulations
- ▶ Example notifications
- ▶ Tune-up guidance
- ▶ *Small Entity Compliance Guide For Area Source Boilers*

(This will help you determine how your boiler is affected by this rule.)

- ▶ ...and more!



Contacts

For Sources in New England and Connecticut:



Air Toxics Coordinator
U.S. EPA New England
617-918-1656



Compliance Analysis & Coordination Unit
CT Department of Energy & Environmental Protection
860-424-4152



Take Aways...

Work Practice Requirements:

- Tune-up every other year
- Tune up every five years if:
 - ≤ 5 MMBtu/hr and oil-fired
 - Seasonal boiler or limited use boiler
 - Boiler has oxygen trim system

Recordkeeping:

- Malfunctions and subsequent corrective actions taken
- Notifications and reports, with supporting documents
- Compliance with tune-up
- Keep records for 5 years

Reporting:

- Initial notification
- Compliance Certification Report (3/1 every 2 or 5 years)
- Notification of change (fuel switch, physical change, etc)

