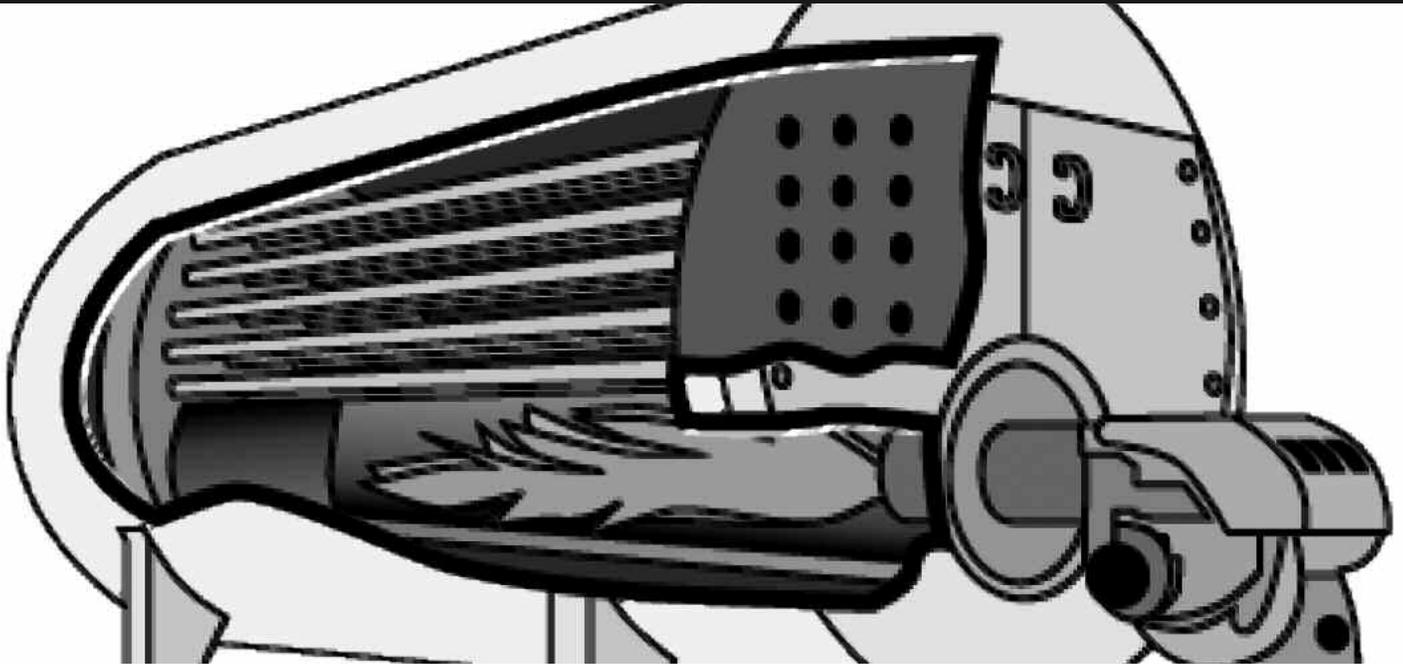


# SMALL ENTITY COMPLIANCE GUIDE FOR AREA SOURCE BOILERS



## What is an area source boiler

An area source facility emits or has the potential to emit less than 10 tons per year (tpy) of a single hazardous air pollutant (HAP) or less than 25 tons per year of any combination of HAPs. An example of a HAP includes mercury produced as a by-product of burning coal in a boiler.

## What an area source boiler operator needs to do

EPA is regulating area source boilers based on three components: the size of the boiler, the type of fuel burned in the boiler and whether the boiler is new or existing. These elements are defined as follows:

### Boiler size

- Large area source boilers have a heat capacity equal or greater than 10 MMBtu/hr.
- Small area source boilers have a heat capacity less than 10 MMBtu/hr.

### Type of fuel burned

Most boilers covered by this rule are non-residential coal, oil or biomass (wood-fired) boilers that existed prior June 4, 2010.

### New or existing

An existing boiler commenced construction or reconstruction of the boiler on or before June 4, 2010, while a new boiler commenced construction or reconstruction of the boiler after June 4, 2010.

Once you have identified your boiler type based on the above requirements, you will need to take the following actions by the required deadlines.

# Rule requirements for coal, oil, and biomass boilers:

## Existing Small Boilers (<10mmBTU/hr)

- Submit an Initial Notification by January 20, 2014 to Tennessee Department of Environment Conservation, Division of Air Pollution Control and Environmental Protection Agency (EPA).
- Facilities located in Davidson, Knox, Hamilton, and Shelby Counties need to send Initial Notification to above Counties and EPA.
- Conduct a tune-up prior to March 21, 2014 and submit a Notification of Compliance Status for tune-up by July 19, 2014 to Division of Air Pollution Control and EPA or above Counties.
- Tune-up every other year.
- Keep tune-up and fuel usage records.
- Prepare a Compliance Certification Report by March 1, 2015, and subsequent reports by March 1 of the year after a tune-up is completed. Keep tune-up and fuel usage records on file in the office.

## Existing Large Boilers (>=10mmBTU/hr)

- Submit an Initial Notification by January 20, 2014 to Tennessee Department of Environment Conservation, Division of Air Pollution Control and EPA.
- Facilities located in Davidson, Knox, Hamilton, and Shelby Counties need to send Initial Notification to above Counties and EPA.
- Conduct a tune-up and energy assessment for oil and biomass boilers prior to March 21, 2014. Please reference (website) for tune-up criteria. For energy assessment components, please refer to Small Entity Compliance Guide for Area Source, Page 18 and 19.
- Conduct a tune-up, energy assessment and Demonstrate compliance with emission limits for coal boilers prior to March 21, 2014.
- Submit a Notification of Compliance Status by July 19, 2014 for tune-up, energy assessment, and emission limits to Division of Air Pollution Control and EPA or above Counties.
- Conduct a tune-up every other year and prepare Compliance Certification Report by March 1, 2015, subsequent reports by March 1 of the year after a tune-up is completed.

## New Small Boilers (<10 MMBtu/hr)

- Submit an Initial Notification within 120 days day of start-up to Division of Air Pollution Control and EPA or above Counties.
- Prepare Compliance Certification Report by March 1 of the year after a tune-up is completed.

## New Large Boilers (>=10 MMBtu/hr)

- Submit an Initial Notification within 120 days day of start-up to Division of Air Pollution Control and EPA.
- Facilities located in Davidson, Knox, Hamilton and Shelby Counties need to send Initial Notification to above Counties and EPA.
- Submit Notification of Compliance within 60 days of conducting performance test for particulate matter for oil and biomass boilers and particulate matter, mercury and carbon monoxide for coal boilers to Division of Air Pollution Control and EPA or above Counties.
- Demonstrate Compliance with Emission limits upon start-up of the boiler.
- Prepare Compliance Certification Report by March 1 of the year after start-up, subsequent reports by March 1 of the each calendar year.

For institutional, commercial and industrial using oil, coal, or biomass fueled boilers, please refer to Small Entity Compliance Guide. For additional information on this or other environmental regulations impacting small businesses, please contact the Small Business Environmental Assistance Program at 1-800-734-3619 or email at [BGSBEAP@tn.gov](mailto:BGSBEAP@tn.gov).

If you want to include the links as a separate unit here they are.

Helpful links (to pdfs):

Initial Notification:

[http://www.tn.gov/environment/small-business/docs/sbeap\\_boiler\\_initial\\_notification.pdf](http://www.tn.gov/environment/small-business/docs/sbeap_boiler_initial_notification.pdf)

Notice of Compliance Tuneup:

[http://www.tn.gov/environment/small-business/docs/sbeap\\_boiler\\_tuneup\\_noc.pdf](http://www.tn.gov/environment/small-business/docs/sbeap_boiler_tuneup_noc.pdf)

Compliance Guide:

<http://www.epa.gov/airtoxics/boiler/imptools/AreasourcesmallbizcomplianceguideMar2013.pdf>

