

What are the compliance dates?

EXISTING SOURCES: 3/21/14

NEW SOURCES: 5/20/2011 or upon start-up

What reports are required?

- ◆ Prepare and submit Initial Notification by 1/20/14.
- ◆ Prepare Notification of Compliance Status. Certify completion of energy assessment and/or tune-up, as applicable. Submit electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) on EPA's Central Data Exchange (CDX).
- ◆ Prepare Compliance Certification Report by March 1 of the year after the calendar year during which a tune-up is completed for boilers not subject to emission limits. Submit upon request.
- ◆ Prepare an annual Compliance Certification Report for boilers with emission limits by March 1 of each year. Submit upon request. Prepare and submit the Report by March 15 if any deviations from an emission limit or operating parameter.
- ◆ Provide notification 30 days prior to firing solid waste.
- ◆ Provide notification within 30 days of a fuel switch or physical change resulting in the boiler being in a different subcategory within subpart JJJJJ, becoming subject to subpart JJJJJ, or switching out of subpart JJJJJ.
- ◆ Submit test results to EPA's WebFIRE database using CEDRI that is accessed through EPA's CDX within 60 days of each performance test. Submit the data in the file format of EPA's Electronic Reporting Tool.

What records are required?

- ◆ Types and amount of fuel used monthly for boilers with emission limits.
- ◆ Documentation that startups and shutdowns were done according to manufacturer's recommended procedures for boilers subject to emission limits.
- ◆ All required notifications and reports, with supporting documentation.
- ◆ Demonstration of compliance with emission limits, operating limits, tune-ups, and the energy assessment, as applicable.
- ◆ Malfunction occurrences, duration, and actions taken.
- ◆ Days of operation per year for seasonal boilers.
- ◆ Copy of the federally enforceable permit and records of fuel use for limited-use boilers.

You can also contact your Regional EPA air toxics office:

Address	States	Website/ Phone Number
REGION 1		
5 Post Office Square, Suite 100 Mail code: OES04-2 Boston MA 02109-3912	CT, MA, ME, NH, RI, VT	www.epa.gov/region1 (888)372-7341 (617) 918-1656
REGION 2		
290 Broadway New York, NY 10007-1866	NJ, NY, PR, VI	www.epa.gov/region2 (212) 637-4023
REGION 3		
1650 Arch Street Philadelphia, PA 19103-2029	DE, MD, PA, VA, WV, DC	www.epa.gov/region3 (800) 228-8711 (215) 814-2061
REGION 4		
Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303-8960	FL, NC, SC, KY TN, GA, AL, MS	www.epa.gov/region4 (404) 562-9131
REGION 5		
77 West Jackson Blvd. Chicago, IL 60604-3507	IL, IN, MI, WI, MN, OH	www.epa.gov/region5 (312) 886-6812 (312) 353-6684 (312) 886-6798
REGION 6		
1445 Ross Avenue Suite 1200 Dallas, TX 75202-2733	AR, LA, NM, OK, TX	www.epa.gov/region6 (800) 621-8431* (214)-665-7171
REGION 7		
901 North Fifth Street Kansas City, KS 66101	IA, KS, MO, NE	www.epa.gov/region7 (800) 223-0425 (913)-551-7003
REGION 8		
1595 Wynkoop St. Denver, CO 80202-1129	CO, MT, ND, SD, UT, WY	www.epa.gov/region8 (800) 227-8917* (303) 312-6460
REGION 9		
75 Hawthorne Street San Francisco, CA 94105	CA, AZ, HI, NV, GU, AS, MP	www.epa.gov/region9 (415) 744-1197
REGION 10		
1200 6th Ave. Suite 900, AWT-107 Seattle, WA 98101	AK, ID WA, OR	www.epa.gov/region10 (800) 424-4372* (206) 553-6220

For More Information

Copies of the rule and other technical materials:
<http://www.epa.gov/ttn/atw/boiler/boilerpg.html>

Boiler compliance at area sources:
www.epa.gov/boilercompliance.com

State requirements and representatives:
<http://www.4cleanair.org/contactUsaLevel.asp>

Summary of Regulations

National Emission Standards for Hazardous Air Pollutants (NESHAP):

Area Sources Industrial, Commercial, and Institutional Boilers

40 CFR Part 63 Subpart JJJJJ



FINAL RULE

March 21, 2011 (76 FR 15554)

**FINAL RULE AMENDMENTS
February 1, 2013 (78 FR 7488)**

Summary of Boiler Area Source NESHAP Emission Limit and Work Practice Requirements

Boiler Size and Construction Date	Fuel type	Summary of Requirements
All Gas-fired boilers	Gas (all types)	<ul style="list-style-type: none"> None (not covered by the rule)
Other New and Existing Small boilers (<10 MMBtu/hr)	Oil, Biomass and Coal	<ul style="list-style-type: none"> Tune-up every other year or every 5 years
Existing boilers: Commenced construction or reconstruction of the boiler on or before June 4, 2010 Note: An existing dual-fuel fired boiler that fuel switches from gaseous fuel to solid fossil fuel, biomass, or liquid fuel after June 4, 2010 is considered to be an existing source as long as the boiler was designed to accommodate the alternate fuel		
Existing Large boilers (≥10 MMBtu/hr)	Biomass and Oil	<ul style="list-style-type: none"> Tune-up every other year One-time energy assessment
	Coal (excluding limited-use boilers)	<ul style="list-style-type: none"> Emission limits for Hg and CO One-time energy assessment
	Limited-use Coal	<ul style="list-style-type: none"> Tune-up every 5 years No emission limits or energy assessment
New boilers: Commenced construction or reconstruction after June 4, 2010		
New large boilers (≥10 MMBtu/hr)	Biomass and Oil (excluding limited-use, seasonal, and new oil-fired boilers bolded below)	<ul style="list-style-type: none"> Emission limit for PM Tune-up every other year or every 5 years
	Coal (excluding limited-use boilers)	<ul style="list-style-type: none"> Emission limits for Hg, CO, and PM
	Limited-use Coal, Biomass, and Oil and Seasonal Biomass and Oil	<ul style="list-style-type: none"> Tune-up every 5 years No emission limits

Which boilers are affected?

- Boilers that burn coal, oil, biomass, or other solid and liquid non-waste materials AND located at area source commercial (e.g., laundries, apartments, hotels), institutional (e.g., schools, churches, medical centers, municipal buildings), or industrial (e.g., manufacturing, refining, processing, mining) facilities.

What is a boiler?

- A boiler uses controlled flame combustion to burn coal and other substances such as oil or biomass to produce steam or hot water, which is then used for energy or heat.

What is an area source?

- Any source that is not a major source.
- Major sources emit or have potential to emit ≥10 TPY of any single air toxic or ≥25 TPY of combined air toxics.

Which boilers are not affected?

- Any gas-fired boiler.
- Hot water heaters with capacity ≤120 U.S. gallons and hot water boilers (i.e., not generating steam) with heat input capacity <1.6 MMBtu/hr burning gas, oil, or biomass.
- Waste heat boilers.
- Boilers used as control devices for other standards.
- Boilers subject to other NESHAP, section 129 standards, or hazardous waste boilers.
- Research and development boilers.
- Temporary boilers.
- Residential boilers.
- Electric boilers.

How do I comply?

Rule requirements vary depending on boiler: 1) Fuel type, 2) Construction date, and 3) Size.

Meet Emission Limits

- Conduct initial performance stack test and establish operating parameters.
- Repeat performance tests every 3 years. (Note: For PM, if initial performance test shows that emissions are ≤ half of the limit, further PM performance testing is not required.)
- Develop and follow a site-specific testing plan and site-specific monitoring plan.

- Conduct initial and quarterly fuel analysis for each type of fuel if the Hg constituents in the fuel are greater than half of the Hg emission limit. Further fuel analysis sampling is not required if the Hg constituents in the fuel are measured to be ≤ half of the Hg emission limit.
- Minimize boiler startups and shutdowns and follow the manufacturer's recommended procedures
- Monitor and collect data to demonstrate compliance with operating limits.
- Conduct performance evaluations of continuous monitoring systems.
- As an alternative to Hg stack testing, a fuel analysis may be conducted to demonstrate that Hg fuel pollutant input is lower than the Hg emission limit.
- As an alternative to CO stack testing, CO/oxygen CEMS may be used to demonstrate compliance.
- New oil-fired boilers that combust only oil that contains no more than 0.50 weight percent sulfur** or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM emission limit under subpart JJJJJ and that do not use a post-combustion

technology (except a wet scrubber) to reduce PM or sulfur dioxide emissions are not subject to the PM emission limit.

Conduct a One-Time Energy Assessment

- Assess the boiler and its energy use systems to identify cost-effective energy conservation measures.
- The rule's energy assessment requirement is also satisfied when an assessment completed on or after January 1, 2008, meets or is amended to meet the rule's requirements or a facility operates under an energy management program compatible with ISO 50001.

Conduct Tune-up

- Conduct a tune-up every 2 years or 5 years, as applicable.
- Tune-up frequency is reduced for limited-use boilers, seasonal boilers, oil-fired boilers with heat input capacity ≤5 MMBtu/hr, and boilers with an oxygen trim system that would otherwise be subject to a biennial tune-up.