

Summary of Regulations Controlling Air Emissions From Industrial, Commercial, and Institutional (ICI) Boilers Located at Area Sources

National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources (40 CFR Part 63 Subpart JJJJJ)

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Useful Weblinks for the Area Source Boiler Rule	
Where can I get a copy of and more information on the Boiler Area Source Rule?	www.epa.gov/ttn/atw/boiler/imptools/area_sm_biz_compli_guide_appx.pdf www.epa.gov/ttn/atw/boiler/boilerpg.html#RULE www.epa.gov/airquality/combustion/actions.html
What's an area source?	www.epa.gov/ttn/atw/area/arearules.html
Where can I obtain a copy of the Initial Notification Form due September 17, 2011?	www.epa.gov/airtoxics/boiler/boilerpg.html#TECH
Where can I find Tune-Up Guidance and an Example Record Keeping Form?	www.epa.gov/airtoxics/boiler/boilerpg.html#TECH
Where can I get help on estimating my air emissions from boilers?	www.epa.gov/ttn/chief/eiip/techreport/volume02/ii02.pdf
Where can other assistance on the Area Source Boiler Rule be found?	www.combustionportal.org (Going Live August 30, 2011)
Where can I find more information on State requirements?	www.4cleanair.org/contactusalevel.asp

Note: This summary is based on the EPA Brochure found at www.epa.gov/ttn/atw/boiler/imptools/brochure_area_7-18-11.pdf and dated July 2011. This summary is not a complete representation of all applicable federal regulations or requirements; it should be relied upon only as general guidance and used in conjunction with the regulations, not in place of them. The information contained herein is intended to help the regulated community and does not establish or affect legal rights or obligations. Agency decisions in any particular case will be made by applying the law and regulations to the specific facts of the case. In addition, this summary does not constitute and is not intended, nor can they be relied upon, to create any rights enforceable by any party in litigation with the United States.

Regulations Controlling Emissions from Boilers Located at Area Sources

Step 1. Determine Whether your Boiler is Covered by the Boiler Area Source Rule (i.e., Part 63 Subpart JJJJJ).

- Affected boilers burn coal, oil, biomass, or other solid and liquid non-waste materials AND are located at area source ICI facilities. Also, certain boilers are not affected (e.g., waste heat boilers, gas fired boilers, research boilers, etc.).

Step 2. If Covered, Submit your Required “Initial Notification” by September 17, 2011.

Step 3. If Covered, Comply with Rule Emission Requirements.

{Rule requirements vary depending on the boiler fuel type, construction date and size}

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

Boiler Size and Construction Date	Fuel type ²	Summary of Requirements
All Gas-fired boilers ¹	Gas (all types)	<ul style="list-style-type: none"> • None (not covered by the rule)
Other New and Existing Small boilers (<10 MMBtu/hr)	Coal, Biomass and Oil	<ul style="list-style-type: none"> • Tune-up every other year
Existing boilers: Commenced construction or reconstruction of the boiler on or before June 4, 2010		
Existing Large boilers (≥10 MMBtu/hr)	Coal	<ul style="list-style-type: none"> • Emission limits for Hg and CO • One-time energy assessment
	Biomass and Oil	<ul style="list-style-type: none"> • Tune-up every other year • One-time energy assessment
New boilers: Commenced construction/ reconstruction or switched from natural gas fuel to solid fossil fuel, biomass or liquid fuel after June 4, 2010		
New large boilers (≥10 MMBtu/hr)	Coal	<ul style="list-style-type: none"> • Emission limits for Hg, CO, and PM
	Biomass and Oil	<ul style="list-style-type: none"> • Emission limit for PM • Tune-up every other year

Notes:
¹ Gaseous fuels include, but are not limited to: natural gas, process gas, landfill gas, coal-derived gas, refinery gas, hydrogen, and biogas. Gas-fired boiler includes any boiler firing gaseous fuels not combined with any solid fuels. A gas-fired boiler that periodically fires liquid fuels during gas curtailment and supply emergencies or for periodic (not to exceed 48 hours per year) testing is still considered a gas-fired boiler.
² For boilers that burn multiple fuels, the fuel type is determined based on the heat input contribution from each fuel burned during the 12 months preceding the compliance test or tune-up.

Step 4. If Covered, Comply with Rule Compliance Dates. Here are some of the key dates:

- Existing Sources: Tune-up by 3/21/12; Meet Emission Limits & Energy Assessment by 3/21/14
- New Sources: Tune-up/Meet Emission Limits by 5/20/11 or upon start up, whichever is later

Step 5. If Covered, Comply with Rule Report Requirements. Here are some of the requirements:

- Boilers not subject to emission limits – Prepare a Compliance Certification Report by March 1 of every second year. Submit upon request
- Boilers subject to emission limits – Prepare annual Compliance Certification Report by March 1 of each year. Submit upon request.
 - If your boiler had any deviations from an emission limits or operating parameter, then prepare and submit the annual Compliance Certification Report by March 15.

Step 6. If Covered, Comply with Rule Records Requirements. Here are some of the requirements:

- Record the types and amount of fuel used each month
- Record that you conducted startups and shutdowns according to the manufacturer’s recommended procedures
- Maintain records of all required notifications and reports, with supporting documentation
- Maintain records that demonstrate compliance with emission limits, operating limits, tune-ups and the energy assessment.