

EPA Boiler Rule May Affect Your Facility

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A new ruling issued by the US Environmental Protection Agency (EPA) affects all facilities operating boilers that burn fuel oil, coal and other solid fuels. Effective March 21, 2011, the ruling (40 CFR Part 63 Subpart JJJJJ) sets National Emission Standards for Hazardous Air Pollutants (NESHAP) for boilers, establishing certain testing and operating requirements. Boilers located at schools, municipal buildings, hospitals, apartment buildings, and industrial facilities are subject to the ruling.

What is a boiler?

A boiler burns oil or other substances like coal or natural gas to produce steam or hot water used for energy or heat.

Which boilers are affected?

All boilers burning oil, coal, or biomass, regardless of size, **and** located at facilities like schools, municipal buildings, hospitals, apartment buildings, churches, and other commercial or industrial facilities are affected by the rule.

Which boilers are not affected?

Boilers firing natural gas, landfill gas, biogas, and propane etc., and domestic water heaters (less than 120 US gallons in size) are not subject to these requirements. Boilers used as control devices, waste heat boilers and research and development boilers are also not subject to this rule.

What is required?

Boiler Details	Requirements	Compliance Dates
Small Boilers (<10 MMBtu/hr)	Tune-up every other year	Compliance by 3/21/12 Notification of compliance by 7/19/12
Existing Large Boilers (≥ 10 MMBtu/hr; in operation before 6/4/10)	Tune-up every other year	Compliance by 3/21/12 Notification of compliance by 7/19/12
	One-time energy assessment	Compliance by 3/21/14
New Large Boilers (≥ 10 MMBtu/hr; in operation after 6/4/10)	Tune-up every other year	Compliance upon start-up or 5/20/11
	Emission limit for PM (Initial performance test)	Compliance by 3/21/14

NOTE: Boilers 5 MMBtu/hr or greater in size are already required to conduct an annual tune-up (combustion adjustment) and submit a report to NJDEP as per N.J.A.C. 7:27-19.

How do I comply?

- Submit an Initial Notification Report and a Notification of Compliance Status, as applicable to your boiler, to EPA. Compliance Status includes completion of an energy assessment and/or tune-up.
- Conduct a tune up by 3/21/12 (Annual combustion adjustment required for boilers 5 MMBtu/hr or greater can be used to satisfy the tune up requirement).
- For boilers 10 MMBtu/hr or greater, conduct a one-time energy assessment by 3/21/14.
- Prepare a Compliance Certification Report by March 1st of every second year. Submit upon request.
- New Large boilers also require an initial performance test for Particulate Matter (PM) emissions, repeated every three years.

What is an energy assessment?

Assess energy use for the boiler and identify cost-effective energy conservation measures.

Need guidance?

The following links provide additional guidance documents and an Example Notification Form for all reporting requirements:

EPA: www.epa.gov/ttn/atw/boiler/boilerpg.html#TECH | **EJIF:** www.njejif.org or tinyurl.com/EJIF-envregs

For Additional Information, please contact:

Sunita Dhar at 908.497.8906 or sdhar@birdsall.com
Tiffany Medley at 908.497.8900 x6126 or tmedley@birdsall.com
Richard Cestone at 908.497.8900 x1318 or rcestone@birdsall.com



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