

AREA SOURCE RULE COMPLIANCE REQUIREMENTS



▶ OIL - Includes any boiler that burns any liquid fuel and is not in either the biomass or coal subcategories.											
Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Submit Notification of Compliance Status for Tune-Ups	Complete One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	By 1/20/2014	See Below					No	---	No	---	---
Small New Boiler (<10 MMBTU/hr)	Within 120 days after startup						No	---	No	---	---
Large Existing Boiler (≥10 MMBTU/hr)	By 1/20/2014						By 3/21/2014	By 7/19/2014	No	---	---
Large New Boiler (≥10 MMBTU/hr)	Within 120 days after startup						No	---	PM ¹ upon startup of the boiler	By 7/19/2014 or within 60 days of completing the performance stack test, whichever is earlier	None if initial performance test is less than or equal to half of the limit; otherwise every 3 years
Small Existing Boiler (≤5 MMBTU/hr)	See Above	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	See Above				
Small New Boiler (≤5 MMBTU/hr)		No	---	Monthly	Every 5 years	By March 1 of the year after tune-up is completed					
Large Existing Boiler (>5 MMBTU/hr)		By 3/21/2014	By 7/19/2014	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed					
Large New Boiler (> 5MMBTU/hr)		No	---	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed					

¹New 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 are not subject to a PM emissions limit under this subpart and that do not use a post-combustion technology (except a wet scrubber) to reduce PM or sulfur dioxide emissions.

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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► **BIOMASS** - Includes any boiler that burns any biomass and is not in the coal subcategory.

Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Submit Tune-Up Certification Report	Required to do a One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Small New Boiler (<10 MMBTU/hr)	Within 120 days after startup	No	---	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Large Existing Boiler (≥10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	By 3/21/2014	By 7/19/2014	No	---	---
Large New Boiler (≥10 MMBTU/hr)	Within 120 days after startup	No	---	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	PM upon startup of the boiler	By 7/19/2014 or within 60 days of completing the performance stack test, whichever is earlier	None if initial performance test for PM is less than or equal to half of the limit; otherwise every 3 years

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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► **COAL** - Includes any boiler that burns any solid fossil fuel and no more than 15 percent biomass on an annual heat input basis.

Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Prepare Tune-Up Certification Report	Required to do a One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	---	---	---
Small New Boiler (<10 MMBTU/hr)	Within 120 days after startup	No	---	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Large Existing Boiler (≥10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	By 3/21/2014	By 7/19/2014	Hg and CO ² by 3/21/2014	By 7/19/2014 or within 60 days of completing the performance stack test, whichever is earlier	Every 3 years
Large New Boiler (≥10 MMBTU/hr)	Within 120 days after startup	No	---	Monthly	Every 5 years with an oxygen trim system, otherwise every 2 years	By March 1 of the year after tune-up is completed	No	---	Hg, CO ² and PM upon startup of the boiler	By 7/19/2014 or within 60 days of completing the performance stack test, whichever is earlier	Every 3 years; if initial test for PM is less than or equal to half of the limit, no additional PM tests are required

²CO CEMS can be used in place of meeting the CO emissions limit.

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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▶ OXYGEN TRIM SYSTEM - Any boiler with an oxygen trim system that maintain an optimum air-to-fuel ratio qualifies for these requirements.

Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Submit Tune-Up Certification Report	Required to do a One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Small New Boiler (<10 MMBTU/hr)	Within 120 days after startup	---	---	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Large Existing Boiler (≥10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	By 3/21/2014	By 7/19/2014	No	---	---
Large New Boiler (≥10 MMBTU/hr)	Within 120 days after startup	---	---	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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EXISTING SEASONAL AND LIMITED-USE - Limited-use boilers are defined as those that have a federally enforceable average annual operating capacity factor of ≤ 10 . Seasonal boilers are biomass or oil-fired boilers that undergo a shutdown for at least 7 consecutive months each 12-month period.

Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability:	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Submit Tune-Up Certification Report	Required to do a One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Small New Boiler (<10 MMBTU/hr)	Within 120 days after startup	---	---	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---
Large Existing Boiler (≥ 10 MMBTU/hr)	By 1/20/2014	By 3/21/2014	By 7/19/2014	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	By 3/21/2014 for seasonal boilers; not required for limited-use boilers	By 7/19/2014 for seasonal boilers; not required for limited-use boilers	No	---	---
Large New Boiler (≥ 10 MMBTU/hr)	Within 120 days after startup	---	---	Monthly	Every 5 years	By March 1 of the year after tune-up is completed	No	---	No	---	---

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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▶ NATURAL GAS - A boiler is defined as a natural gas boiler even if it also burns oil or other liquid fuel during periods of gas curtailment, gas supply interruption, startups, or for periodic testing not to exceed 48 hours during any calendar year.

Subcategory (boilers that commenced construction or reconstruction after June 4, 2010 are considered new)	Submit an Initial Notification of Applicability	Conduct an Initial Tune-up	Submit Notification of Compliance Status (NOCS) for Initial Tune-up	Meter Fuel Usage	Conduct Regular Tune-ups	Submit Tune-Up Certification Report	Required to do a One-Time Energy Assessment	Submit Notification of Compliance Status for Energy Assessment	Required to Meet Emissions Limits	Submit Notification of Compliance Status for Emissions Limits	Conduct Regular Emissions Performance Tests
Small Existing Boiler (<10 MMBTU/hr)	No Requirements										
Small New Boiler (<10 MMBTU/hr)											
Large Existing Boiler (≥10 MMBTU/hr)											
Large New Boiler (≥10 MMBTU/hr)											

If you are not sure which fuel subcategory applies to your boiler, consult the Fuel Subcategory Calculation Tool at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Step-2/Step-2--Determine-Boiler-s-Subcategory.aspx> to conduct an annual heat input fuel calculation. For more information about Area Source Rule Requirements, including boiler classification, visit the Cleaver-Brooks website at <http://www.cleaverbrooks.com/Reference-Center/EPA-Compliance/Index.aspx> or locate your local Cleaver-Brooks representative at <http://www.cleaverbrooks.com/Find-a-Rep/Index.aspx>.

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