

CIBO
Industrial Emissions Control Technology IX
Conference

What Have I Heard This Week?
Can Industry Comply?

Cathy Beahm
Technical Assistance Specialist
NH DES, Air Resources



Overview of recent EPA actions

EPA issued the following rules that affect HAP emissions from boilers:

- Boiler MACT
- Boiler Area Source Rule
- CISWI
- Definition of solid waste

EPA has initiated reconsideration of certain aspects of both boiler rules and CISWI rules.

- Proposal October 31, 2011
- Final April 30, 2012



Overview of recent EPA actions (cont.)

EPA delayed the effective date of the Boiler MACT and CISWI rules.

Compliance dates for Boiler MACT and CISWI are on hold during stay.

Unknown at this time, if compliance dates will be changed as part of the reconsideration process.



Overview of recent EPA actions (cont.)

Boiler Area Source Rule is in effect even during the reconsideration process. Solid Waste Definition also still in effect.

- Facilities need to comply with Boiler Area Source Rule as it was promulgated.
- Initial notification due September 17, 2011
- Tune-up must be done prior to March 21, 2012

Get the tune-up scheduled due to high demand!



Issues Raised Regarding Tune-Up

- “Optimize not minimize.”
 - Concern over CO vs. NO_x issue.
- Language in rule includes “as applicable” for a reason
 - Solid fuels may not have burners (i.e. fluidized bed or traveling grate)



Issues Raised Regarding Energy Assessment

- Notification of Compliance after energy assessment is complete [July 19, 2014].
 - Energy Assessment requires a detailed report be completed, but rule states that facility must submit a Notification of Compliance to EPA that includes a statement that the assessment was completed and a list of the cost effective energy conservation measures identified.



Gas-Fired Boilers

A gas-fired boiler as defined in this subpart is exempt from the Boiler Area Source Rule.

- **Gas-fired boiler** includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.



Fuel Switching Rule Provisions

- A boiler is a **new** affected source if you commenced fuel switching from natural gas to solid fossil fuel, biomass, or liquid fuel after June 4, 2010.
- If you intend to switch fuels, and this fuel switch may result in the applicability of a different subcategory or a switch out of Subpart JJJJJJ due to a switch to 100 percent natural gas, you must provide **30 days** prior notice of the date upon which you will switch fuels.
- If you own or operate an industrial, commercial, or institutional boiler and would be subject to this subpart except for the exemption for units covered by the CISWI rules, and you cease combusting solid waste, you must be in compliance with this subpart on the effective date of the waste to fuel switch.
- If you intend to commence or recommence combustion of solid waste, you must provide **30 days** prior notice of the date upon which you will commence or recommence combustion of solid waste.



What have I NOT heard this week?

- Dual fuel-fired boiler
 - Natural Gas/oil
 - Can you meet the gas-fired boiler definition?
 - What about negotiating contracts with the gas company if you are limiting yourself to oil only during curtailment and 48 hrs/yr of testing?
 - What if the price of gas goes up in the future and you want to burn more oil?
 - Should you declare your applicability to the oil portion of the rule now and comply (tune-up) so your not considered a new unit in the future?
 - Which fuel do you conduct the tune-up on?
Gas or oil?

Notifications and Reporting Timeline	Existing Biomass and Oil-Fired Boilers	
	<10 MMBtu/hr	≥10 MMBtu/hr
Initial Notification of Applicability Report	By September 17, 2011	
Initial Compliance Date	First biennial tune-up by March 21, 2012	
One Time Energy Assessment	NA	By March 21, 2014
Notification of Intent to Conduct a Performance Test	NA	NA
Initial Compliance Testing	NA	NA
Initial Notification of Compliance Status Report	By July 19, 2012	By July 19, 2012 for initial tune-up; By July 19, 2014 for one-time energy assessment
Continuing Compliance –Biennial Tune-up	Subsequent tune-ups should be completed no later than 25 months after the previous tune-up	
Continuing Compliance –Triennial Testing	NA	NA
Biennial Compliance Certification Report – Biennial Tune-up	Prepare first report by March 1, 2015 with subsequent reports prepared biennially by March 1 st	
Annual Compliance Certification Report	NA	NA

Notifications and Reporting Timeline	New Biomass and Oil-Fired Boilers Installed between 6/4/10 and 5/20/11	
	<10 MMBtu/hr	≥10 MMBtu/hr
Initial Notification of Applicability Report	By September 17, 2011	
Initial Compliance Date	First biennial tune-up by May 20, 2011	
One Time Energy Assessment	NA	NA
Notification of Intent to Conduct a Performance Test	NA	At least 60 days before performance stack test is scheduled to begin
Initial Compliance Testing	NA	By May 20, 2011
Initial Notification of Compliance Status Report	By September 17, 2011	Within 60 days of completing the performance test
Continuing Compliance –Biennial Tune-up	Subsequent tune-ups should be completed no later than 25 months after the previous tune-up	
Continuing Compliance –Triennial Testing	NA	No more than 37 months after the previous test
Biennial Compliance Certification Report – Biennial Tune-up	Prepare first report by March 1, 2012 with subsequent reports prepared biennially by March 1 st	
Annual Compliance Certification Report	NA	Prepare first report by March 1, 2012 with subsequent reports prepared annually by March 1 st

Notifications and Reporting Timeline	New Biomass and Oil-Fired Boilers Installed after 5/20/11	
	<10 MMBtu/hr	≥10 MMBtu/hr
Initial Notification of Applicability Report	Within 120 days of startup of the boiler	
Initial Compliance Date	First biennial tune-up upon startup	
One Time Energy Assessment	NA	NA
Notification of Intent to Conduct a Performance Test	NA	At least 60 days before performance stack test is scheduled to begin
Initial Compliance Testing	NA	Within 180 calendar days of startup
Initial Notification of Compliance Status Report	Within 120 days of startup of the boiler	Within 60 days of completing the performance test
Continuing Compliance –Biennial Tune-up	Subsequent tune-ups should be completed no later than 25 months after the previous tune-up	
Continuing Compliance –Triennial Testing	NA	No more than 37 months after the previous test
Biennial Compliance Certification Report – Biennial Tune-up	Prepare first report by March 1 st of the year immediately following startup of the boiler with subsequent reports prepared biennially by March 1 st	
Annual Compliance Certification Report	NA	Prepare first report by March 1 st of the year immediately following startup of the boiler with subsequent reports prepared annually by March 1 st

Contacts

Regulation	Contact	Office	Telephone Number	E-mail
Boiler MACT	Brian Shrager	USEPA Headquarters - OAQPS	(919) 541-7689	Shrager.brian@epa.gov
	Susan Lancey	USEPA – Region 1	(617) 918-1656	Lancey.susan@epa.gov
Boiler Area Source Rule	Jim Eddinger	USEPA Headquarters - OAQPS	(919) 541-5426	Eddinger.jim@epa.gov
	Susan Lancey	USEPA – Region 1	(617) 918-1656	Lancey.susan@epa.gov
CISWI	Toni Jones	USEPA Headquarters - NRCG	(919) 541-0316	Jones.toni@epa.gov
Solid Waste Definition	George Faison	USEPA Headquarters – RCRA	(703) 305-7652	Faison.george@epa.gov
	Jui-Yu Hsieh	USEPA - Region 1	(617) 918-1646	Hsieh.juiyu@epa.gov