

PROPOSED 6 NYCRR 227-2 NOX RACT REVISIONS

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Proposed Very Large Boiler Emission Limits (lbs/mmBtu)

- ▣ Natural gas only – 0.08
- ▣ Natural gas/oil – 0.15
- ▣ Wet bottom coal
 - Cyclone – 0.20
 - All other burner types – 0.12
- ▣ Dry bottom coal
 - Tangential – 0.12
 - Wall – 0.12
 - Fluidized bed – 0.08

Proposed Large Boiler Emission Limits (lbs/mmBtu)

- ▣ Natural gas only – 0.06
- ▣ Natural gas/oil – 0.15
- ▣ Pulverized coal – 0.20
- ▣ Fluidized bed – 0.08

Proposed Mid-Size Boiler Emission Limits (lbs/mmBtu) & Size Threshold

- ▣ Natural gas only – 0.05
- ▣ Distillate oil/gas – 0.08
- ▣ Residual oil – 0.20

- ▣ Mid-Size boilers – Size redefined as greater than 25 mmBtu/hr and less than or equal to 100 mmBtu/hr

Proposed Small Boiler, Small Combustion Turbine, & Small Engine Requirements

- ▣ Definition of Small Equipment:
 - Boilers – maximum heat input \Rightarrow 1 mmBtu/hr and \leq 25 mmBtu/hr
 - Turbines – maximum heat input \leq 10 mmBtu/hr
 - Engines – maximum mechanical output $<$ 200 bhp in any severe ozone nonattainment area and $<$ 400 bhp in the remainder of the State

- ▣ Small Equipment Requirements – Annual Tune-ups

Proposed Combustion Turbine Emission Limits (PPM)

- ▣ Simple Cycle
 - Natural gas only – 50*
 - Multiple fuels (natural gas, oil, etc.) – 100*
 - Removal of the 500 hr/yr non-ozone season exemption

- ▣ Combined cycle & cogeneration
 - Case-by-case analysis

Proposed Compliance Options

- ▣ Fuel Switching

- ▣ Shutdown
 - Allows facility to shut down an emission source in-lieu of meeting RACT

- ▣ System Wide Averaging
 - Allow different companies to average with each other

Where the Rule Currently “Stands”

- ▣ Responding to comments
- ▣ Making changes to rule documents based on comments
- ▣ Developing rulemaking package for E-board

Proposed Timeframe of Rulemaking

- ▣ Submit rulemaking package to E-board by 4/26/10
- ▣ E-Board meeting 5/26/10
- ▣ Filing rule with Department of State mid June, 2010
- ▣ Rule effective by mid July, 2010

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